

## COOLSPAN™ Thermal Interface Materials (TIM)

Rogers COOLSPAN™ Thermal Interface Materials are used in high performance and high reliability chip packaging applications where heat management becomes a limiting factor. Rogers COOLSPAN™ TIM can be used in both TIM-1 and TIM-2 applications. Multiple dispensing options are available. These greases feature excellent thermal stability, high temperature performance and have superior re-work properties compared to silicone-based products. Rogers offers thermal greases as an integrated part of its Thermal Management Solutions family of products.

### Unique Features

- Excellent Thermal Conductivity
- Non-Silicone System
- Demateable System
- No Bleeding under extreme environmental conditions
- Low Contact Resistance



### COOLSPAN 355 Paste

- Configured for High Performance Applications
- Minimum Recommended Bond Line 4 mils
- Typical Thermal Conductivity 5.5 W/m/K\*
- Highest Viscosity Available, up to 1100 Pas at 100°C\*



### COOLSPAN 345 Paste

- 355 Paste Reconfigured for Enhanced Manufacturability in Standard Processes
- Minimum Recommended Bond Line 4 mils
- Typical Thermal Conductivity 4.5 W/m/K\*
- Viscosity ~300 Pas at 25°C with 1 sec<sup>-1</sup> shear rate\*

### COOLSPAN 340 Paste

- Configured for High Performance Applications
- Minimum Recommended Bond Line 2 mils
- Typical Thermal Conductivity 4.0 W/m/K\*
- High Viscosity Formulation, up to 990 Pas at 100°C\*



### COOLSPAN 335 Paste

- 340 Paste Reconfigured for Enhanced Manufacturability in Standard Processes
- Minimum Recommended Bond Line 2 mils
- Typical Thermal Conductivity 3.5 W/m/K\*
- Viscosity ~300 Pas at 25°C with 1 sec<sup>-1</sup> shear rate\*



### Ordering Information and Availability: COOLSPAN TIM Samples Now Available

\*Typical properties should not be used as specification limits

The information contained in this document is intended to assist in you in selecting among Rogers' Thermal Interface Materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on this document will be achieved by a user for a particular purpose. The user is responsible for determining the suitability of Rogers' materials for each application.

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